

# Anisha Dsouza

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## PROFESSIONAL SUMMARY

Data Engineer with strong experience designing, building, and maintaining ETL/ELT pipelines, developing enterprise data models, and optimising SQL-driven workflows for analytics and reporting. Skilled in transforming complex business rules into reliable, scalable data processes that support data warehousing and operational needs. Hands-on expertise with SQL optimisation, metadata-driven data pipelines, distributed ETL frameworks, and cloud-based data engineering environments. Adept at working with cross-functional teams, translating requirements into technical solutions, and delivering high-quality, well-documented data systems aligned with governance, performance, and reliability standards.

## TECHNICAL AND DIGITAL SKILLS

- **Programming:** Python, SparkSQL, Pyspark, SQL, Java, Javascript, MongoDB
- **Backend & Web:** HTML/CSS, Node.js, React, Express.js, Rest APIs
- **Cloud & Devops:** AWS (EC2, S3, DynamoDB, Lambda, API Gateway), MinIO, Linux
- **Data & Analytics:** Databricks, ETL/ELT Pipelines, Power BI, Tableau, Delta Lake
- **Tools:** Git/Github, Jira

## SOFT SKILLS

- Communication
- Problem solving
- Collaboration
- Critical Thinking
- Time management
- Adaptability
- Agile Mindset

## EXPERIENCE

### Customer Service Team Member and SSCO - Woolworths, Melbourne, Australia (Mar 2024 - Present)

- Delivered seamless customer service and guided digital service interactions, building strong client-facing skills.
- Managed payroll, roster optimization, compliance reports and cash handling with accuracy and compliance.

### Backend Developer - Aviation Academy, Melbourne, Australia (Aug 2025 - Oct 2025)

- Developed backend services for a full-stack LMS used by flight schools to manage students, courses and progress analytics.
- Built REST APIs in Node.js/Express and integrated them with a MongoDB data model supporting nested course structures and dynamic lesson content.
- Implemented a robust file-processing pipeline using MinIO, LibreOffice, and Poppler, enabling PPT/PDF/MP4 upload, conversion, slide extraction, and preview functionality.
- Worked closely with the frontend team to deliver seamless course editing, student onboarding, and group management experiences using React.
- Served as Scrum Master, overseeing sprint planning, daily standups, GitHub workflow, code reviews, and cross-team coordination.

### Sales Assistant - Zara, Melbourne, Australia (Nov 2024 - Mar 2025)

- Provided personalized customer support and assisted with inventory and merchandising tasks.

### Senior Data Engineer - LTIMindtree, India (Aug 2022 - Sept 2023)

- Designed and maintained large-scale ETL/ELT pipelines integrating Salesforce and revenue data into enterprise data layers.
- Developed and optimised complex SQL queries, stored procedures, and transformations for reporting and data warehousing.
- Built metadata-driven ETL workflows in Databricks and SparkSQL, ensuring accuracy, governance, and version control.
- Improved pipeline performance through SQL tuning, monitoring, and resolving bottlenecks.
- Collaborated with analysts and stakeholders to refine requirements and delivered clear technical documentation.

## ACHIEVEMENTS

**Technova 2022 - Winner:**  
**Innovative Project Award**  
(AI-based Smart Door with Face Mask Detection)

## EXTRA-CURRICULARS

- Badminton
- Volleyball
- Dance

## REFERENCES

- **Joshua White:**

Client / Industry Partner - RMIT Aviation Academy (Capstone Project)

- **Dipen Patel:**

Store Manager - Woolworths Metro (Elizabeth St)  
(Contact available on request)

## EDUCATION

### Master of Information Technology

RMIT University, Melbourne, Australia  
Graduated - 2025 | GPA - 3.7/4

### BE - Computer Science Engineering

St. Joseph Engineering College, India | VTU  
Graduated - 2022 | CGPA - 8.67/10

## PROJECTS

### VibeMusic - Cloud based Music Subscription Web Application

- Designed and deployed a full-stack music subscription web application using AWS EC2, S3, DynamoDB, API Gateway, and Lambda.
- Implemented user authentication and registration via DynamoDB with secure credential validation.
- Built music subscription and query features, allowing users to subscribe/unsubscribe to songs and retrieve artist images stored securely in S3.
- Developed RESTful APIs and hosted the application on an EC2 Ubuntu server with Apache, ensuring availability via standard HTTP.

### Myki Ticketing System - Database Design & Implementation

- Designed a relational database schema for Melbourne's Myki public transport fare management system, supporting passenger accounts, Myki cards, payments, and trip transactions.
- Developed ER diagrams, relational schema, and indexing strategies to optimize queries for transactions, payments, and fare discounts.
- Incorporated security measures such as role-based access control, row-level security, encryption and audit logging.
- Estimated 10-year storage requirements and optimized query performance.

## CERTIFICATIONS

- Databricks Certified Associate Developer - Apache Spark 3.0 (Python)
- Databricks Certified Data Engineer Associate
- Hackerrank - Python (Basic), SQL
- Deloitte Technology Consulting Virtual Experience (Forage) - Analytics & Business Transformation